Amendments to the Claims:

This listing of claims will replace, without prejudice, all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) In a packet-switched computer network over which packets from a plurality of packet-based Internet telephony processes are transmitted, the telephony processes having a dynamically assigned protocol address that is dynamically assigned upon connecting to an Internet and is temporary for each instance of connecting to the Internet, a method, performed in connection with a telephony process executed on a terminal device processing unit, of selectively alerting a user of an incoming communication over the computer network comprising the steps of:
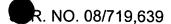
A. receiving a call packet containing an information profile identifying one of the plurality of telephony processes which is the source of an incoming communication; and

B. responding to the incoming communication by transmitting a responsive packet over the computer network in accordance with the identity of the source;
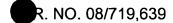
wherein a central server stores the dynamically assigned protocol addresses to establish an Internet telephony communication between the telephony processes.

2. (Previously Presented) The method of claim 1 wherein step B comprises:

B.1   generating a notification signal based on the identity of the source.

3. (Previously Presented) The method of claim 2 wherein step B.1 further comprises:

B.1.1   associating a notification signal with a selected plurality of information profiles.

4. (Previously Presented) The method of claim 3 wherein step B.1 further comprises:

B.1.2   comparing the information profile identifying the source with the plurality of information profiles.

5. (Previously Presented) The method of claim 4 wherein step B.1 further comprises:

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B.1.3 generating the notification signal associated with one of the plurality of information profiles if said one information profile matches the information profile identifying the source of the incoming communication.

6. (Previously Presented) The method of claim 5 wherein step B.1 further comprises:

B.1.4 associating at least one of a plurality of notification signals with at least one of the plurality of information profiles.

7. (Previously Presented) The method of claim 2 wherein step B.1 further comprises:

B.1.1 comparing a notification signal identifier contained in the information profile identifying the source of the incoming communication with a plurality of notification signal identifiers.

8. (Previously Presented) The method of claim 7 wherein step B.1 further comprises:

B.1.2 generating the notification signal associated with one of the plurality of notification signal identifiers if said one notification signal identifier matches the notification signal identifier contained within the information profile identifying the source.

9. (Previously Presented) The method of claim 2 wherein the notification signal comprises an audio signal.

10. (Previously Presented) The method of claim 2 wherein the notification signal comprises a graphic image signal.

11. (Previously Presented) The method of claim 2 wherein the notification signal comprises a haptic sensor signal.

12. (Currently Amended) A computer program product for <u>execution in connection with a telephony process executed on a terminal device processing unit</u> ~~use with a computer system capable of executing an Internet telephony process and~~, <u>the telephony process</u> communicating with other telephony processes over a packet-switched computer network, the telephony processes having dynamically assigned protocol addresses that are dynamically assigned upon connecting to an Internet and are temporary for each instance of connecting to the Internet, the

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computer program product comprises a computer useable medium having embodied therein program code comprising:

A. program code for receiving, at the terminal device processing unit, an incoming communication over the computer network, the incoming communication containing a call packet containing an information profile identifying one of the plurality of telephony processes which is the source of the incoming communication; and

B. program code executable at the terminal device processing unit, responsive to the information profile, for selectively notifying a user of the incoming communication by transmitting a responsive packet over the computer network in accordance with the identity of the source;

wherein a server interacts with the ~~computer system~~ terminal device processing unit to store the dynamically assigned protocol addresses to establish an Internet telephony communication between the telephony processes.

13. (Previously Presented) The computer program product of claim 12 wherein the program code means for notifying comprises:

program code for generating a notification signal based on the identity of the source.

14. (Previously Presented) The computer program product of claim 13 wherein the program code for generating further comprises:

program code for associating a notification signal with a selected plurality of information profiles.

15. (Previously Presented) The computer program product of claim 14 wherein the program code for generating further comprises:

program code for comparing the information profile identifying the source with the plurality of information profiles.

16. (Previously Presented) The computer program product of claim 15 wherein the program code for generating further comprises:

program code for generating the notification signal associated with one of the selected plurality of information profiles if said one information profile matches the information profile identifying the source of the incoming communication.

17. (Previously Presented) The computer program product of claim 16 wherein the program code for generating further comprises:

program code for associating at least one of a plurality of notification signals with at least one of the plurality of information profiles.

18. (Previously Presented) The computer program product of claim 13 wherein the program code for generating further comprises:
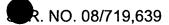
program code for comparing a notification signal identifier contained within the information profile identifying the source of the incoming communication with a plurality of notification signal identifiers.

19. (Previously Presented) The computer program product of claim 18 wherein the program code for generating further comprises:

program code for generating the notification signal associated with one of the plurality of notification signal identifiers if said one notification signal identifier matches the notification signal identifier contained within the information profile identifying the source of the incoming signal.

20. (Previously Presented) The computer program product of claim 13 wherein the notification signal comprises an audio signal.

21. (Previously Presented) The computer program product of claim 13 wherein the notification signal comprises a graphic image signal.

22. (Previously Presented) The computer program product of claim 13 wherein the notification signal comprises a haptic sensor signal.

23. (Currently Amended) A computer data signal embodied in a carrier wave comprising:

A. program code for receiving, at a terminal device processing unit, an incoming communication over a packet-switched computer network over which packets from a plurality of packet-based telephony processes are transmitted, the plurality of telephony processes having a

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dynamically assigned protocol address that is dynamically assigned upon connecting to an Internet and is temporary for each instance of connecting to the Internet, the incoming communication containing a call packet containing an information profile identifying one of the plurality of telephony processes which is the source of the incoming communication; and

B. program code executable at the terminal device processing unit, responsive to the information profile, for selectively notifying a user of the incoming communication by transmitting a responsive packet over the computer network in accordance with the identity of the source;

wherein a server interacts with the computer system terminal device processing unit to store the dynamically assigned protocol addresses to establish an Internet telephony communication between the telephony processes.

24. (Previously Presented) The computer data signal of claim 23 wherein the program code for notifying comprises:

program code for generating a notification signal based on the identity of the source.

25. (Previously Presented) The computer data signal of claim 24 wherein the program code for generating further comprises:
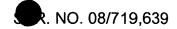
program code for associating a notification signal with a selected plurality of information profiles.

26. (Previously Presented) The computer data signal of claim 25 wherein the program code for generating further comprises:

program code for comparing the information profile identifying the source with the plurality of information profiles.

27. (Previously Presented) The computer data signal of claim 26 wherein the program code for generating further comprises:

program code for generating the notification signal associated with one of the selected plurality of information profiles, if said one information profile matches the information profile identifying the source of the incoming communication.

28. (Previously Presented) The computer data signal of claim 27 wherein the program code for generating further comprises:

program code for associating at least one of a plurality of notification signals with at least one of the plurality of information profiles.

29. (Previously Presented) The computer data signal of claim 24 wherein the program code for generating further comprises:

program code for comparing a notification signal identifier contained within the information profile identifying the source of the incoming communication with a plurality of notification signal identifiers.
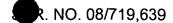
30. (Previously Presented) The computer data signal of claim 29 wherein the program code for generating further comprises:

program code for generating the notification signal associated with one of the plurality of notification signal identifiers, if said one notification signal identifier matches the notification signal identifier contained within the information profile identifying the source of the incoming communication.

31. (Currently Amended) An apparatus for use with a computer system capable of executing a telephony process and communicating with other telephony processes over a packet-switched computer network, the telephony processes having dynamically assigned protocol addresses that are dynamically assigned upon connecting to an Internet and is temporary for each instance of connecting to the Internet, the apparatus comprising:

A. program logic, for use in connection with the telephony process, configured to receive an incoming communication over the computer network, the incoming communication containing a call packet containing an information profile identifying one of the plurality of telephony processes which is the source of the incoming communication; and

B. program logic, for use in connection with the telephony process, responsive to the information profile, and configured to selectively notifying a user of the incoming communication by transmitting a responsive packet over the computer network in accordance with the identity of the source;

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wherein a server interacts with the computer system to store the dynamically assigned protocol addresses to establish an Internet telephony communication between the telephony processes.

32. (Currently Amended) A method of enabling a selective response at a called telephone process based on the identity of a caller telephone process communicating over a network implementing dynamic Internet protocol addressing, the method comprising:

providing an e-mail address of the called telephone process to a database server;

receiving a current Internet protocol address of the called telephone process from the database server based on the provided e-mail address; and

sending a call packet directed to the current Internet protocol address of the called telephone process, the call packet including an information profile having information identifying the caller telephone process; and

wherein the information profile enables the called telephone process to extract selective response information based on the information profile from a local database.

33. (Currently Amended) A method of enabling a selective response at a called party based on the identity of a caller between telephone processes communicating over a network implementing dynamic Internet protocol addressing, the method comprising:

maintaining a current database of all on-line telephone processes, the database including current Internet protocol addresses of each on-line telephone process and associating the current Internet protocol addresses with an identifier of each telephone process;

receiving a connection request from a calling telephone process to a called telephone process, the connection request including the identifier of the called telephone process;

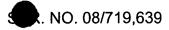extracting the identifier from the connection request;

determining the current Internet protocol address of the called telephone process by mapping the identifier against entries in the current database; and

providing the current Internet protocol address of the called telephone process to the calling telephone process;

wherein provision of the Internet protocol address of the called telephone process enables the calling telephone process to send a call packet directed to the current Internet protocol address of the called telephone process, the call packet including an information profile having information identifying the caller telephone process, and wherein the information profile enables

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the called telephone process to extract selective response information based on the information profile from a local database.